

RESULT 9
US-09-641-319D-73
; Sequence 73, Application US/09641319D
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Huang, Fen R.
; APPLICANT: Hartnett, James R.
; TITLE OF INVENTION: Mutant TNE Polymerases
; FILE REFERENCE: PRMG-04578
; CURRENT APPLICATION NUMBER: US/09/641,319D
; CURRENT FILING DATE: 2000-08-18
; PRIOR APPLICATION NUMBER: 09/385,986
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: 08/484,661
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 73
; LENGTH: 928
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-641-319D-73

Query Match 100.0%; Score 4727; DB 26; Length 928;
Best Local Similarity 100.0%;
Matches 928; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MVQIPQNPLILVDGSSYLYRAYHAFPLNTSAGEPTGAMYGVNLMLRSIMQYKPTHA 60
|||||||
Db 1 MVQIPQNPLILVDGSSYLYRAYHAFPLNTSAGEPTGAMYGVNLMLRSIMQYKPTHA 60

Qy 61 VFDAKGKTFRDELFEHYKSHRPPMPDDLRAQIEPLHAMVKAMGLPLLA 120
|||||||
Db 61 VFDAKGKTFRDELFEHYKSHRPPMPDDLRAQIEPLHAMVKAMGLPLLA 120

Qy 121 LAREAEKAGRPVLISTGDKDMAQLVTPNITLINTMTNTILGPEEVNKYGVPPELIIDFL 180
|||||||
Db 121 LAREAEKAGRPVLISTGDKDMAQLVTPNITLINTMTNTILGPEEVNKYGVPPELIIDFL 180

Qy 181 ALMGDSSDNIPGPVGVEKTAQALLQGLGGLDLTYAEPEKIAGLSFRGAKTMAAKLEQNK 240
|||||||
Db 181 ALMGDSSDNIPGPVGVEKTAQALLQGLGGLDLTYAEPEKIAGLSFRGAKTMAAKLEQNK 240

Qy 241 EVAYLSYQLATIKTDVEELTCEQLEVQQPAEEELLGLFKKYEFKRWTADVEAGKWLQAK 300
|||||||
Db 241 EVAYLSYQLATIKTDVEELTCEQLEVQQPAEEELLGLFKKYEFKRWTADVEAGKWLQAK 300

Qy 301 GAKPAAKPQETSVADEAPEVTATVISYDNYYTILDEETLKAWIAKLEKAPVFADFETDS 360
|||||||
Db 301 GAKPAAKPQETSVADEAPEVTATVISYDNYYTILDEETLKAWIAKLEKAPVFADFETDS 360

Qy 361 LDNISANLVGLSFAIEPGVAAIYIPVAHDYLDAPDQISRERALELLKPLLEDEKALKVGQN 420
|||||||
Db 361 LDNISANLVGLSFAIEPGVAAIYIPVAHDYLDAPDQISRERALELLKPLLEDEKALKVGQN 420

Qy 421 LKYDRGILANYGIELRGIAFDTMLESYIILNSVAGRHDMDSLAERWLKHKTITFEEIAGKG 480
|||||||

Db 421 LKYDRGILANYGIELRGIAFDTMLESYIILNSVAGRHDMDSLAERWLKHKTITFEEIAGKG 480
 Qy 481 KNQLTFNQIALEEAGRYAAEDADVTQLHLKMWPDLKHKGPLNVFENIEMPLVPVLRSI 540
 |||||||
 Db 481 KNQLTFNQIALEEAGRYAAEDADVTQLHLKMWPDLKHKGPLNVFENIEMPLVPVLRSI 540
 |||||||
 Qy 541 ERNGVKIDPKVLHNHSEELTRLAELKEAHEIAGEEFNLSSDKQLQTILFEKQGIKPLK 600
 |||||||
 Db 541 ERNGVKIDPKVLHNHSEELTRLAELKEAHEIAGEEFNLSSDKQLQTILFEKQGIKPLK 600
 |||||||
 Qy 601 KTPGGAPSTSEEVLEELALDYLPLPKVILEYRGLAKLKSTYTDKLPLMINPKTGRVHTSYH 660
 |||||||
 Db 601 KTPGGAPSTSEEVLEELALDYLPLPKVILEYRGLAKLKSTYTDKLPLMINPKTGRVHTSYH 660
 |||||||
 Qy 661 QAVTATGRLSSTDPNLQNIPVRNEEGRIRRQAFIAPEDYVIVSADYSQIELRIMAHLSRD 720
 |||||||
 Db 661 QAVTATGRLSSTDPNLQNIPVRNEEGRIRRQAFIAPEDYVIVSADYSQIELRIMAHLSRD 720
 |||||||
 Qy 721 KGLLTAFAEKGDIHRATAAEVFGLPLETVTSEQRSSAKAINFGGLIYGMSAFGLARQLNIP 780
 |||||||
 Db 721 KGLLTAFAEKGDIHRATAAEVFGLPLETVTSEQRSSAKAINFGGLIYGMSAFGLARQLNIP 780
 |||||||
 Qy 781 RKEAQKYMDDLYFERYPGVLEYMERTRAQAKEQGYVETLDGRRLLYLPDIKSSNGARRAAA 840
 |||||||
 Db 781 RKEAQKYMDDLYFERYPGVLEYMERTRAQAKEQGYVETLDGRRLLYLPDIKSSNGARRAAA 840
 879
 |||||||
 Qy 841 RRAINAPMQGTAADIICKRAMIAVDawlQAEQPRVRMIMQVHDELVFEVHKDDVDNAVAKQI 900
 |||||||
 Db 841 RRAINAPMQGTAADIICKRAMIAVDawlQAEQPRVRMIMQVHDELVFEVHKDDVDNAVAKQI 900
 |||||||
 Qy 901 HQLMENCTRLDVPLLVEVGSGENWDQAH 928
 |||||||
 Db 901 HQLMENCTRLDVPLLVEVGSGENWDQAH 928

EAST SEARCH:

BRS	L1	2282	t7 adj DNA adj polymerase	USPAT	2010/09/12 12:43
BRS	L2	4	11 and (enhanced adj mismatch adj discrimination)	USPAT	2010/09/12
12:44					
BRS	L3	63073	polymerase	USPAT	2010/09/12 12:45
BRS	L4	661	13 and (t7.clm.)	USPAT	2010/09/12 12:45
BRS	L5	32	14 and (reduced.clm.)	USPAT	2010/09/12 12:46
BRS L6 11 14 and (enhanced.clm.) USPAT 2010/09/12 12:46					